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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/611,957	07/06/2000	Su-Jong Jung	P56147	6538

7590 01/30/2004
Robert E Bushnell
Suite 300
1522 K Street NW
Washington, DC 20005-1202

EXAMINER

LAMB, TWYLER MARIE

ART UNIT PAPER NUMBER

2622

DATE MAILED: 01/30/2004

9

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/611,957

Applicant(s)

JUNG, SU-JONG

Examiner

Twyler M. Lamb

Art Unit

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 10 November 2003.
- 2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-17 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1,4,5,7,11-13 and 15 is/are rejected.
- 7) ☒ Claim(s) 2,3,6,8-10,14,16 and 17 is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 10 November 2003 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. §§ 119 and 120

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.
- 13) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application) since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78.
- a) ☐ The translation of the foreign language provisional application has been received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121 since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449) Paper No(s) _____
- 4) ☐ Interview Summary (PTO-413) Paper No(s). _____
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____

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DETAILED ACTION

Notice to Applicant (s)

1. This action is responsive to the following communications: amendment A filed on 11/10/03.
2. This application has been reconsidered. Claims 1-17 are pending.

Priority

3. Receipt is acknowledged of papers submitted under 35 U.S.C. 119(a)-(d), which papers have been placed of record in the file.

Drawings

4. The drawings were received on 11/10/03. The Examiner accepts the replacement sheet of Formal Drawing Figure 5.

Claim Rejections - 35 USC § 102

5. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371(c) of this title before the invention thereof by the applicant for patent.

The changes made to 35 U.S.C. 102(e) by the American Inventors Protection Act of 1999 (AIPA) and the Intellectual Property and High Technology Technical Amendments Act of 2002 do not apply when the reference is a U.S. patent resulting directly or indirectly from an international application filed before November 29, 2000.

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Therefore, the prior art date of the reference is determined under 35 U.S.C. 102(e) prior to the amendment by the AIPA (pre-AIPA 35 U.S.C. 102(e)).

6. Claims 1, 4, 5, 7, 11-13 and 15 are rejected under 35 U.S.C. 102(e) as being anticipated by Yoo et al. (Yoo) (US 5,809,367).

The applied reference has a common assignee with the instant application. Based upon the earlier effective U.S. filing date of the reference, it constitutes prior art under 35 U.S.C. 102(e). This rejection under 35 U.S.C. 102(e) might be overcome either by a showing under 37 CFR 1.132 that any invention disclosed but not claimed in the reference was derived from the inventor of this application and is thus not the invention "by another," or by an appropriate showing under 37 CFR 1.131.

With regard to claim 1, Yoo discloses a process for controlling a transfer voltage in an image forming apparatus (col 4, lines 44-46), the image forming apparatus comprising an electrification roller (charger 12) electrifying a surface of a photosensitive drum (photosensitive drum 10) (col 3, lines 54-56), a laser scanning unit (laser exposure unit 16) forming an electrostatic latent image on the surface of the photosensitive drum (column 3, lines 56-62), a developing machine (developing unit 14) making the electrostatic latent image visible (col 3, lines 62-63), a transfer roller (transfer roller 20) transferring the image to a recording paper and a fixer (fixing unit) fixing the image transferred to the recording paper (col 3, lines 49-52), the process comprising the steps of: storing within a memory (RAM) image data to be printed when a print demand is received (col 5, lines 27-34); detecting the kind of paper selected by a user (col 6, lines 20-39); editing by reducing the number of pixels of the image data at a certain rate

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when the detected paper is thick (col 4, lines 39-43); and transmitting the edited image data to the laser scanning unit and performing the printing work for the edited image data (col 6, lines 36-40).

With regard to claim 4, Yoo discloses a process for controlling a transfer voltage in an image forming apparatus (col 4, lines 44-46), the image forming apparatus comprising an electrification roller (charger 12) electrifying a surface of a photosensitive drum (photosensitive drum 10) (col 3, lines 54-56), a laser scanning unit (laser exposure unit 16) forming an electrostatic latent image on the surface of the photosensitive drum (column 3, lines 56-62), a developing machine (developing unit 14) making the electrostatic latent image visible (col 3, lines 62-63), a transfer roller (transfer roller 20) transferring the image to a recording paper and a fixer (fixing unit) fixing the image transferred to the recording paper (col 3, lines 49-52), the process comprising the steps of: storing within a memory (RAM) image data to be printed when a print demand is received (col 5, lines 27-34); detecting the kind of paper selected by a user (col 6, lines 20-39); and transmitting the edited image data to the laser scanning unit when the detected paper is thick (col 4, lines 39-43; col 6, lines 36-40) and decreasing the amount of light emitted by the laser scanning unit at a predetermined rate (col 4, lines 39-43) and performing the printing work (col 6, lines 36-40).

With regard to claim 5, Yoo discloses a process for controlling a transfer voltage in an image forming apparatus (col 4, lines 44-46), the image forming apparatus comprising an electrification roller (charger 12) electrifying a surface of a photosensitive drum (photosensitive drum 10) (col 3, lines 54-56), a laser scanning unit (laser exposure

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unit 16) forming an electrostatic latent image on the surface of the photosensitive drum (column 3, lines 56-62), a developing machine (developing unit 14) making the electrostatic latent image visible (col 3, lines 62-63), a transfer roller (transfer roller 20) transferring the image to a recording paper and a fixer (fixing unit) fixing the image transferred to the recording paper (col 3, lines 49-52), the process comprising the steps of: storing within a memory (RAM) image data to be printed when a print demand is received (col 5, lines 27-34); detecting the kind of paper selected by a user (col 6, lines 20-39); and transmitting the edited image data to the laser scanning unit when the detected paper is thick (col 4, lines 39-43; col 6, lines 36-40) and increasing a developing voltage applied to the developing machine to a predetermined voltage level (col 4, lines 36-39) and then performing the printing work (col 6, lines 36-40).

With regard to claim 12, Yoo also discloses further comprising of lowering an engagement force of a toner coated onto the photosensitive surface of said photosensitive drum (col 4, lines 55-64).

The limitations of claims 7, 11, 13 and 15 are addressed in the above rejections.

Allowable Subject Matter

7. Claims 2-3, 6, 8-10, 14 and 16-17 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

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Response to Arguments

8. Applicant's arguments with respect to claim 1-6 have been considered but are moot in view of the new ground(s) of rejection.

9. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Twyler Lamb whose telephone number is 703 - 308-8823. The examiner can normally be reached on M-TH (8:30-5:00).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Edward L Coles can be reached on 703-308-4712. The fax phone numbers for the organization where this application or proceeding is assigned are 703-872-9306 for regular communications and 703-872-9314 for After Final communications.

Any response to this action should be mailed to:

Commissioner of Patents and Trademarks

Washington, DC 20231

or faxed to:

(703) 872-9314

(for informal or draft communications, such as proposed amendments to be discussed at an interview; please label such communications "PROPOSED" or "DRAFT")

or hand-carried to:

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2121 Crystal Drive

Arlington, VA.

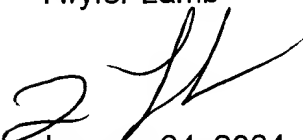
Sixth Floor (Receptionist)

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Twyler Lamb



January 24, 2004